

JAVA.IO.INPUTSTREAMREADER CLASS

http://www.tutorialspoint.com/java/io/java_io_inputstreamreader.htm

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Introduction

The **java.util.InputStreamReader** class is a bridge from byte streams to character streams. It reads bytes and decodes them into characters using a specified charset.

Class declaration

Following is the declaration for **java.util.InputStreamReader** class:

```
public class InputStreamReader
    extends Reader
```

Field

Following are the fields for **java.util.InputStreamReader** class:

- **protected Object lock** -- This is the object used to synchronize operations on this stream.

Class constructors

S.N.	Constructor & Description
1	InputStreamReader(InputStream in) This creates an InputStreamReader that uses the default charset.
2	InputStreamReader(InputStream in, Charset cs) This creates an InputStreamReader that uses the given charset.
3	InputStreamReader(InputStream in, CharsetDecoder dec) This creates an InputStreamReader that uses the given charset decoder.
4	InputStreamReader(InputStream in, String charsetName) This creates an InputStreamReader that uses the named charset.

Class methods

S.N.	Method & Description
1	<u>void close()</u> This method closes the stream and releases any system resources associated with it.
2	<u>String getEncoding()</u> This method returns the name of the character encoding being used by this stream.
3	<u>int read()</u> This method reads a single character.

4	<u>int read(char[] cbuf, int offset, int length)</u> This method reads characters into a portion of an array.
5	<u>boolean ready()</u> This method tells whether this stream is ready to be read.

Methods inherited

This class inherits methods from the following classes:

- `java.util.Reader`
- `java.util.Object`